

FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DENSE-052A	SERIAL NO. 10/016,939
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Glen E. Roeters, et al.	
(37 CFR 1.98(b))	(Use several sheets if necessary)	FILING DATE December 14, 2001	GROUP 175 2829

EXAMINER INITIAL	PATENT NUMBER								ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
OK		3	7	2	3	9	7	7	03-27-1973	Schaufele			
		3	7	4	6	9	3	4	07-17-1973	Stein			
		4	3	7	1	9	1	2	02-1-1983	Guzik			
		4	6	3	8	3	4	8	01-20-1987	Brown et al.			
		4	7	6	1	6	8	1	08-02-1988	Reid			
		4	8	4	1	3	5	5	01-20-1989	Parks			
		4	8	5	1	6	9	5	06-25-1989	Stein, Karl-Ulrich			
		4	8	6	8	7	1	2	09-19-1989	Woodman			
		4	9	5	6	6	9	4	09-11-1990	Eide			
		5	1	1	7	2	8	2	05-26-1992	Salatino			
		5	1	2	8	8	3	1	06-07-1992	Fox, III et al.			
		5	1	9	8	8	8	8	03-30-1993	Sugano et al.			

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

SERIAL NO. 10/016,939

JUN 03 2002

(Use several sheets if necessary)

FILING DATE December 14, 2001

GROUP ~~1775~~

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(37 DFR 1.98(b))

2.8. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER								ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AL	5	2	0	1	4	5	1	04-13-1993	Desai et al.	RECEIVED JUN 06 2002 TC 1700			
	5	2	3	1	3	0	4	07-27-1993	Solomon				
	5	2	3	9	4	4	7	08-24-1993	Cotus et al.				
	5	2	6	9	4	5	3	12-14-1993	Melton et al.				
	5	2	8	2	5	6	5	02-01-1994	Melton				
	5	2	8	4	7	9	6	02-08-1994	Nakanishi et al.				
	5	3	1	1	4	0	1	05-10-1994	Gates, Jr. et al.				
	5	3	1	3	0	9	6	05-17-1994	Elde				
	5	3	2	4	5	6	9	06-28-1994	Nagesh et al.				
	5	3	2	8	0	8	7	07-12-1994	Nelson et al.				
AL	5	3	7	3	1	8	9	12-13-1994	Massit et al.				
	5	3	8	4	6	8	9	01-24-1995	Shen				

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

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IDS1449.PTO

FORM PTO-1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. DENSE-052A

SERIAL NO. 10/016,939

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

JUN 03 2002

APPLICANT Glen E. Roeters, et al.

(37 CFR 1.98(b))

(Use several sheets if necessary)

FILING DATE December 14, 2001

GROUP 1275

52829

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER								ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
02	5	4	4	8	5	1	1	09-06-1995	Paurus et al.	RECEIVED JUN 06 2002 TC 1700			
	5	4	6	6	6	3	4	11-14-1995	Beistein, Jr. et al.				
	5	5	1	4	9	0	7	05-07-1996	Moshayedi				
	5	6	0	7	5	3	8	03-04-1997	Cooke				
	5	6	1	2	5	7	0	03-18-1997	Eide et al.				
	5	6	4	6	4	4	6	06-08-1997	Nicewarner, Jr. et al.				
	5	7	0	0	7	1	5	12-23-1997	Pasch				
	5	7	1	2	7	6	7	01-27-1998	Koizumi				
	5	7	3	1	6	3	3	03-24-1998	Clayton				
	5	7	5	9	0	4	6	06-02-1998	Ingraham et al.				
	5	8	1	8	1	0	6	10-06-1998	Kunimatsu				
	5	8	6	9	3	5	3	02-09-1999	Levy et al.				

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[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

OTHER DOCUMENTS (including names, addresses, telephone numbers, etc.)

EXAMINER

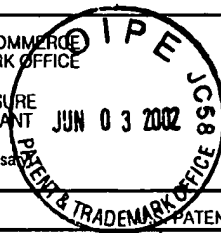
DATE CONSIDERED

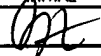

3/3/05

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EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
 	5	8	6	9	8	9	6	02-09-1999	Baker et al.				
	5	9	3	0	6	0	3	07-27-1999	Tsuji et al.				
	5	9	5	0	3	0	4	09-14-1999	Khandros et al.				
	6	0	5	7	3	8	1	05-02-2000	Ma et al.				
	6	1	8	0	8	8	1	01-30-2001	Isaak				
	6	2	6	2	8	9	5	07-17-2001	Forthum				
	6	3	2	3	0	6	0	11-27-2001	Isaak				

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TC 1700

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		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
		YES	NO											
COFF		6	-	7	7	6	4	4	1994	Japan	111		X	
		4	2	0	9	5	6	2	1992	Japan				X
BZ		2	2	3	9	6	5	1	1990	Japan	111			X
		5	6	8	8	3	2	4	1981	Japan			X	
	6	0	1	9	4	5	1	8	1985	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

<i>AT</i>		ANONYMOUS, Organic Card Device Carrier, Research Disclosure, May 1990, Number 313	
		"Megabyte per cubic inch," Defense Science, May 1988, p. 56	
		"Three Dimensional Packaging," Defense Science, May 1988, p. 65	
<i>AT</i>		Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24	

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